

ABSTRACT OF THE DISCLOSURE

5 A rotating stream sprinkler of the type having a rotatable vaned
deflector for stepwise sweeping of relatively small water streams over
surrounding terrain to irrigate adjacent vegetation. The sprinkler includes a
turbine driven ball drive rotor having at least one drive ball carried by
centrifugal force into repetitious impact engagement with one or more raised
10 anvils on the deflector for incrementally displacing the deflector in a
succession of small rotational steps. A speed control brake includes a brake
pad interposed between a friction surface on the deflector and a nonrotating
brake disk to provide a variable friction force to maintain deflector rotation
substantially constant within a range of normal water supply pressures and
15 flow rates.